

Kennecott Utah Copper Corporation
12000 West 2100 South
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Magna, Utah 84044-6001
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William J. Adams, Ph.D.
Director, Environmental Affairs

Kennecott

February 28, 2002

Mr. Wayne Hedberg, Permit Supervisor
Minerals Reclamation Program
Division of Oil, Gas and Mining
1594 West North Temple, Suite 1210
PO Box 145801
Salt Lake City, Utah 84114-5801

Subject: Kennecott Utah Copper's 2001 Reclamation Activities Plan
for Permit Number M/035/002

Dear Mr. Hedberg:

Enclosed is a copy of Kennecott Utah Copper's Reclamation Activities Plan for 2002. Only work that will occur within the boundaries of Permit Number M/035/002 has been included in this report. Reclamation projects that are completed in other areas of the Oquirrh Range will be described in the individual annual reports for 2002. If you have any questions about this report or would like to visit some of the sites, please call me at 569-7553.

Sincerely,

Lydia S. Salmon
for William J. Adams, Ph.D.
Director, Environmental Affairs

Enclosures

RECEIVED

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DIVISION OF
OIL, GAS AND MINING

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**KENNECOTT UTAH COPPER
RECLAMATION ACTIVITIES PLAN FOR 2002
PERMIT NUMBER M/O35/002**

This document summarizes the reclamation activities planned within the boundaries of Permit Number M/O35/002. The plan is submitted in partial fulfillment of the requirements of the September 28, 1978 Mined Land Reclamation Contract and of the Annual Report of Mining Operations. Individual reclamation projects are described below. Not listed below are interim reclamation projects for dust control on the south tailings impoundment that will occur as needed throughout 2002.

The primary reclamation activities planned at the mine in 2002 are to complete the recontouring and revegetation program on the upper Midas Dump and the Galena Gulch Dump Slope, and to perform botanical surveys at test plots set up in 1999, 2000 and 2001.

Area #1 Tailings Impoundment Revegetation

Location:	North and northwest of Magna, Utah (several sections within T1S, R3W).
Description:	In 2002 approximately 900 acres of the south impoundment are planned for reclamation. This area will be planted as soon as it has dried enough to allow equipment access.
Purpose:	To stabilize tailings, to provide fugitive dust and erosion control, and to establish grazing land and wildlife habitat.
Activity:	Perform as required minor contouring and seed bed preparation on exposed areas. Drill seed grasses, legumes, forbs, and shrubs in areas planned for permanent reclamation. Fertilizer will be applied to all areas that will be planted.
Area:	Approximately 900 acres will be permanently reclaimed.
Schedule:	Spring and Fall of 2002.

Area #2 Upper Midas Dump Area

Location: The upper Midas area is the highest dump surface on the Eastside dumps. About 90 acres located above 7100 feet elevation will be reclaimed.

Description: In 2002 approximately 90 acres of the Eastside dumps are planned for reclamation.

Purpose: To provide fugitive dust and erosion control, and to establish grazing land and wildlife habitat. About 22 of the 90 acres are composed of angle of repose slopes between 75 and 150 feet high. Several of the taller slopes face to the east and are clearly visible from the Salt Lake Valley.

Activity: The work proposed for 2002 would involve recontouring, ripping, and broadcasting limestone, fertilizer and seed on the remaining 90 acres. The activities that will need to be performed in 2002 to complete the reclamation on the upper Midas Dump are as follows:

- 1) Plant approximately 400 Douglas Fir, White Fir and Curl Leaf Mountain Mahogany seedlings on selected surfaces that were recontoured and seeded in 2001.
- 2) Remove debris associated with historic leach water application from the surface of the reclamation area.
- 3) Remove eight inactive power poles from the surface of the reclamation area.
- 4) Demolish the large redwood leach water surge tank located at 7240 feet elevation on the northeast side of the Midas dump.
- 5) Recontour and rip approximately 90 new acres in the reclamation area with a D-10 dozer. This work is anticipated to take 30 days to complete.
- 6) Perform geochemical sampling on the newly recontoured surfaces. The analytical results will be used to calculate limestone application rates.
- 7) Apply limestone, fertilizer and seed to the 90 acre area.
- 8) Plant approximately 800 seedlings in the area recontoured in 2002.

Area: Approximately 90 acres will be permanently reclaimed. Approximately 120 acres have already been reclaimed.

Schedule: Spring and Fall of 2002.

Area #3 Galena Gulch Dump Slope

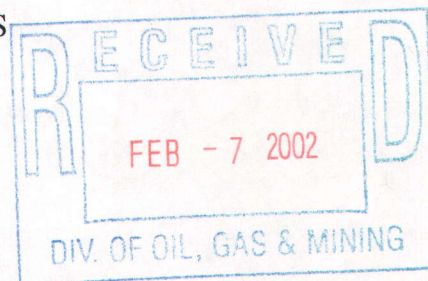
The Galena Gulch Dump Slope was recontoured in 2000, and it was ripped, fertilized and seeded in fall 2001. In spring 2002, approximately 300 seedlings will be planted on the slope.

Botanical Surveys

Botanical Surveys will be performed on selected test plots and reclamation sites that were planted in late 1999, 2000 and early 2001. The surveys will be performed in early to mid summer, so all of the sites will have had two to three growing seasons. The surface preparations at the sites to be examined were variable but include ripping, recontouring; fertilizer, composted biosolids, limed biosolids or crushed limestone application and broadcast seeding or planting mycorrhizae-inoculated or un-inoculated seedlings.

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

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ANNUAL REPORT OF MINING OPERATIONS

The informational requirements of this form are based on provisions of the Mined Land Reclamation Act, Title 40-8, Utah Code Annotated 1953, as amended, and the General Rules as promulgated under the Utah Minerals Regulatory Program. An operator conducting mining operations under a Notice of Intention must file an annual operations and progress report (FORM MR-AR) with the Division.

I. General Information

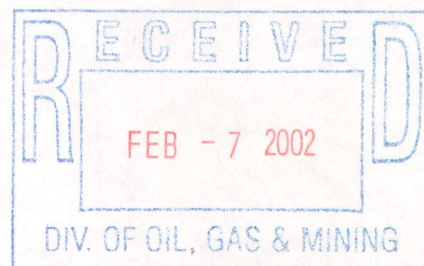
1. Report Time Period: From: **1/2001** To: **12/2001**
2. DOGM File Number (Mine No.): **M/035/002**
3. Mine Name: **Bingham Pit & UCD Modernization**
4. Mineral(s) Mined (or permitted to mine): *Copper and associated metals.*
5. Type of mine: ☒ Surface Mine or ☐ Underground Mine
6. Legal Description, (Location of Lands Affected):

Sections 7, 8, 9, 10, 11, 17, 18, 19, 20, 21, 30, & 32T1S, R2W;
Sections 9, 11, 12, 13, 14, 15, 16, 22, 23, 24, 25, 26 & 36....T1S, R3W;
Sections 4, 5, 9, 10, 11, 14, 15, 22, 23, 27 & 33.....T2S, R2W;
Sections 7, 17, 18 & 19.....T3S, R1W;
Sections 4, 8, 9, 13, 14, 15, 16, 17, 19, 20, 21, 24, 25,
28, 29, 30, 31, & 32.....T3S, R2W;
Sections 11, 12, 13, 14, 15, 21, 22, 23, 24, 25, 26, 27,
33, 34, 35 & 36.....T3S, R3W;
Sections 6 & 7.....T4S, R2W;
Sections 1, 2, 3, 11 & 12.....T4S, R3W;

Salt Lake Base and Meridian, Salt Lake County, Utah

7. Name of Operator or Company: *Kennecott Utah Copper Corporation*

8. Permanent Street Address: *P. O. Box 6001*
8315 West 3595 South
City, State, Zip: *Magna, UT 84044*
Phone: *(801) 569-7553*
Fax: *(801) 569-6408*



9. Company Representative (or designated operator):
Name: *William J. Adams, Ph.D.*
Title: *Director, Environmental Affairs*
Business Address: *P. O. Box 6001*
City, State, Zip: *Magna, UT 84044*
Phone: *(801) 569-7553*
Fax: *(801) 569-6408*

X Please check if any of the above information has changed since previous year.

II. Mining and Reclamation

1. Was the mine active during the past year? Yes X No
2. If no - what was the last year of activity? *N/A*
3. If yes - how much ore or mineral was mined?

56.3 million short tons of ore were mined. Ore delivery to the North Concentrator was terminated in July 2001.

4. Briefly describe the type of work performed, volume of material moved, and any new or additional surface disturbances that occurred during the past year.

A total of 122.0 million short tons of waste rock were produced at the mine in 2001. Most of this rock was placed into the existing Bingham Canyon waste rock disposal area. Tailings continued to be placed into the active portion of the existing tailings impoundment. Eleven new acres were disturbed in association with extension of the Freeman dumps.

5. How much **additional acreage** was disturbed during the year?

A total of 27 additional acres were disturbed by waste rock disposal at the mine and 12 acres with the tailings pipeline cleanout and replacement project in year 2001. No new acres were disturbed on the Magna Tailing or North Concentrator.

6. How much acreage was **reclaimed** during the past year?

A total of 90 acres were planted at the Bingham Canyon Mine, 12 acres on the tailings pipeline and 1533 acre were reclaimed at the Magna Tailings impoundment in 2001.

7. Briefly describe the reclamation work performed during the past year. This description should include methods employed, and an evaluation of the results.

The following reclamation activities were completed in 2001:

Upper Midas Dump

84 acres were recon toured and ripped. Several angle of repose slopes between 25 and 75 feet high were reduced to slopes of 2.5:1 or less. Crushed limestone was applied at rates of between one and seven tons/acre, and fertilizer and seed was applied to the entire area. About 230 tree seedlings were also planted on north facing slopes.

Midas 7100 Level

Seed was applied in 2001 to the 5-acre test plot area that was constructed in 2000 with different application rates of lime, limestone, limed bio solids and composted bio solids.

Magna Tailings Impoundment

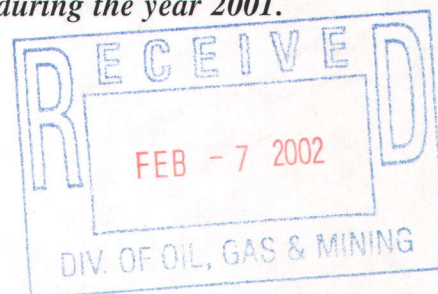
1533 acres were drill seeded on the Magna tailings embankment and impoundment.

Tailings Pipeline Construction

12 acres had topsoil salvaged and replaced and were broadcast seeded.

8. What is the total disturbed acreage at years end?

There were an estimated 12,351 disturbed acres at the end of 2001. This is based upon 12,312 acres reported last year. It should be noted that this disturbed area includes more than 1000 acres on the tailings pond embankment, which have undergone interim reclamation for dust control during the year 2001.



9. Briefly summarize any mining and/or reclamation plans for the upcoming year.

Mining during 2002 will disturb an estimated 40 additional acres due to filling the Dry Fork dump to 6190 elevation. An additional 12 acres are estimated for borrow material to be used a backfill for the crusher relocation to be completed by September 2002. Also, a temporary one million ore ton stockpile is planned west of the Copperton Concentrator A-Frame. This operation will disturb an estimated 20 acres for a topsoil stockpile and the ore stockpile. The ore will be used to feed the mill during the crusher relocation. The stockpile footprint will be reclaimed during the fall of 2002.

The 2002 Reclamation Activities Plan is being prepared and will be submitted to the Division by February 28, 2002.

NOTE: Section III., "Additional Information" applies only to large mining operations.

III. Additional Information

1. An updated surface facilities map should be attached if there have been significant changes since the previous map was submitted.

No new maps are attached because there have been no significant changes since the previous maps were submitted in 1998.

2. Any monitoring results or other reports that are required under the terms of the approved notice of intention should also be submitted.

The 2002 Reclamation Activities Plan will be submitted to the Division by February 28, 2002.

IV. Signature Requirement

I hereby certify that the foregoing is true and correct.

Name: *William J. Adams, Ph.D.*

Title of Operator: *Director, Environmental Affairs*

Signature of Operator:

William J. Adams

Date:

1/31/02

